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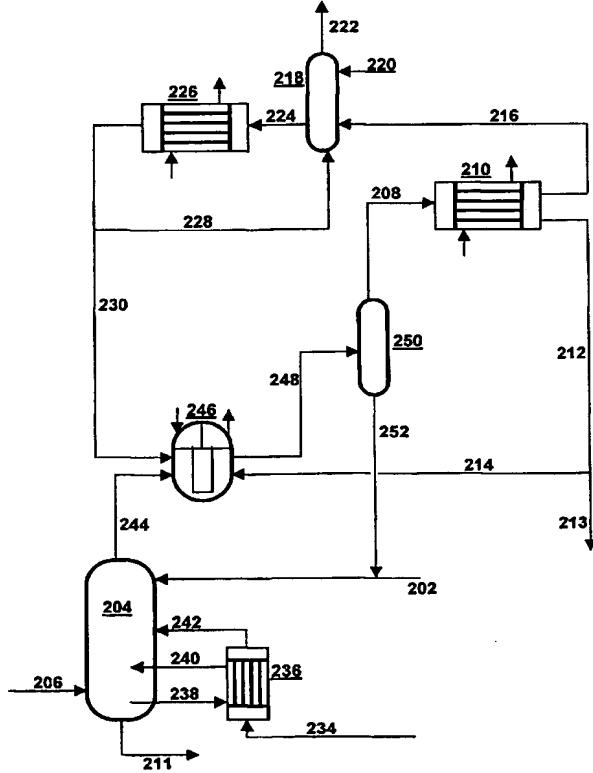
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[Continued on next page]

(54) Title: PROCESS FOR SEPARATING NH₃ AND OPTIONAL CO₂ AND H₂O FROM A MIXTURE CONTAINING NH₃, CO₂ AND H₂O

(57) Abstract: The invention relates to a process for separating NH₃ from a mixture containing NH₃, CO₂ and H₂O which comprises an NH₃ rectification step carried out in a NH₃ separation device to which one or more streams containing NH₃, CO₂ and H₂O, including the mixture, are supplied, with a stream consisting substantially of gaseous NH₃ being formed in the NH₃ separation device, separated from the mixture and discharged. In the process according to the invention a condensation step is carried out on at least one of the stream consisting substantially of gaseous NH₃ or the one or more streams containing NH₃, CO₂ and H₂O supplied to the NH₃ separation device, in which at least a part of the existing CO₂ is converted to a liquid phase.





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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category ^a	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 3 191 916 A (SAFFIAN STANLEY J ET AL) 29 June 1965 (1965-06-29) column 5, line 21 - line 31; claims; figure 1	1-7
X	EP 0 005 292 A (STAMICARBON) 14 November 1979 (1979-11-14) cited in the application page 4, line 26 - line 29; claims; figure 2	1,2
A	US 3 112 177 A (EIJI OTSUKA ET AL) 26 November 1963 (1963-11-26) column 5, line 18 - line 21; claims; figure	1,2
A	US 3 107 149 A (NISBET JR LAWRENCE W ET AL) 15 October 1963 (1963-10-15)	
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Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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